

	<u>Price Bid format</u> <u>[for Main Supply + Mandatory Spares]</u>				Annexure -[C] of PY56391		
	<u>Fire Detection & Alarm System</u>				Rev 00		
	Project: 1x600MW PANKI TPS						
BHEL ENQUIRY NO : Ref. date:				Vendor Offer ref no: Ref. date:			
NOTES ::							
1	This document details the price schedule format for the enquiry. No other format will be entertained. Applicable taxes and duties shall be indicated separately in commercial offer.						
2	Duly signed & stamped un-priced price schedule format shall be submitted by vendor in the technical offer as a token of concurrence that price schedule would be submitted in this format. Any tampering / modification / additions, etc. are NOT allowed and not considered binding and is liable for rejection of the offer.						
3	Bidders shall be evaluated on overall L1 basis.						
4	For addition/reduction of quantity, unit rate quoted in the present offer shall be considered during order execution and shall be valid up to execution of the contract to the extent of + 10%, - 20% of overall order Value. These would include the cost up to engineering, installation of the item, wiring up in the panel and seamless integration with main system at works/site without any cost implications. All accessories as required for this purpose also shall be included in the Price Quoted						
5	Components/Items for addition/deletion, spares shall be identical to the main equipment.						
6	Billing will be as per BOM of actual supplied main equipment (including accessories) & spares.						
7	Unit Rates of the individual package items shall be derived by multiplying the "Unit Price Fixing Factor" with the Lumpsum Price quoted. Unit Rates of the Individual items thus arrived, shall be binding on the bidder, in case of any repeat order/Ammendment of order as per BHEL policies. Observations / Objections, if any, of the Bidder, to the "Unit Price Fixing Factor" shall be brought to the notice of BHEL, during Pre-Bid Stage. No Observations / Objections shall be entertained after the Techno-Commercial Bid is opened.						
8	Bidder to indicate "Quoted" in the column "Bidder's Confirmation" as a confirmation of their bid to the respective item.						
9	The Bid Evaluation is on Overall L1 Basis. Each and Every item of the Package shall be quoted by the bidder. Partial offers will not be considered for evaluation and the same are liable for rejection.						
10	Bidders will be required to quote Total BASIC Price only (For Main items and Mandatory spares)in Price Bid Form in the e-procurement portal, considering all items as per this Price Format. Basic Prices of various line items shall be calculated by BHEL by multiplying the quoted Total Basic Price with the Weightages mentioned in this Price Format against the respective line items.						

		Price Bid format [for Main Supply + Mandatory Spares]				Annexure -[C] of PY56391	
		Fire Detection & Alarm System				Rev 00	
		Project: 1x600MW PANKI THERMAL POWER EXTENSION PROJECT				Weightage (%) for Calculation of Line Item Prices by BHEL (Refer Note-7)	
S. No	Material Code	Item Description	Quantity [I]	UNITs	Unit Rate (Rs.) [II]	TOTAL PRICE (Rs.) [I*II]	REMARKS
[A]	MAIN SUPPLY						
(a)	PY9756391006	Main Supply- Fire Detection & Alarm System Components	1	Set		86.28%	----- [1]
MAIN SUPPLY Total prices (Sub-total of [A]) (Rs.) ::							
[B]	MANDATORY SPARE						
(b)	PY9756391014	Mandatory Spares- Fire Detection & Alarm System Components	1	Set		7.89%	
MANDATORY SUPPLY Total prices (Sub-total of [B])							----- [2]
[C]	SERVICES						
(c)	PY9856391024	Supervision of Erection & Commissioning Services charges at site including lodging, boarding, local travel, insurance, etc. [1 Set Unit Rate = Per man day charges]	100	Set		5.34%	----- [3]
(d)	PY9856391032	Supervision of Erection & Commissioning visit charges [i.e. travel expenses like travel to & fro from vendors work to site, clearance charges like visa fee, etc.] [1 Set Unit rate = per visit travel expenses]	10	Set		0.49%	----- [4]
Total prices for overall L1 evaluation ([a]+[b]+[c]+[d]) (Rs.) ::						100.00%	

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TABLE -A : BOM for Material Code - PY9756391006 [MAIN SUPPLY]

S. No	Type of instrument	Supply Quantity	Units	Weightage (%) for Calculation of Line Item Prices by BHEL Weightage of each item /unit price fixing factor (Refer Note-7)	Bidders Confirmation
1	Fire Alarm Panel (12 loop)	15	No.'s	15.32%	
2	Repeater Panel	2	No.'s	0.75%	
3	Multisensor Detectors with detector base and mounting back box (analogue addressable)	2460	No.'s	15.93%	
4	Heat Detectors with detector base and mounting back box (analogue addressable)	110	No.'s	0.71%	
5	Probe Detectors (ROR type) with Flameproof Junction box (Min. 50 ft x 50 ft coverage for each detector along with counter flange and gasket) (Addressable)	6	No.'s	0.34%	
6	Beam Detectors (Addressable)	13	No.'s	1.55%	
7	IR Ember Detectors with local control unit, Air Purge Unit & accessories (Addressable)	42	No.'s	9.88%	
8	Indoor Manual Call Points with mounting back box [Addressable type]	230	No.'s	1.66%	
9	Outdoor Manual call points with mounting back box (IP-65 min.) [Addressable type]	130	No.'s	2.31%	
10	Flameproof Manual call points with mounting back box [Addressable type]	2	No.'s	0.08%	
11	Indoor Hooter cum Strobe with mounting back box [Addressable type]	220	No.'s	2.78%	
12	Exit Sign (Self illuminating)	242	No.'s	0.54%	
13	Response Indicators	700	No.'s	0.25%	
14	Siren (1 km) with Siren Control panel	1	No.'s	0.43%	
15	Interface module for Siren Operation	1	No.'s	0.010%	
16	Digital LHS Cable for Cable Galleries	19,300	Mtrs.	7.63%	
17	Digital LHS Cable for Coal Conveyors	8,300	Mtrs.	5.62%	
18	Digital LHS Controllers (2 km range)	1	Lot	4.92%	
19	End of Line Resistance with Terminal Box	59	No.'s	0.06%	
20	Cable Junction Box for 2P x 2.5 sqmm	20	No.'s	0.23%	
21	LHS Cable Jointing Box	28	No.'s	0.04%	
22	Module for LHS Cable (2 Input + 1 Output)with IP-65 enclosure	72	No.'s	0.54%	
23	Module for Deluge Valve (2 Input + 1 Output)with IP-65 enclosure	108	No.'s	0.81%	
24	Module for Limit Switches (2 Input + 1 Output) with IP-65 enclosure	108	No.'s	0.81%	
25	Module for Tripping (1 Input + 1 Output) with IP-65 enclosure	50	No.'s	0.37%	
26	Module for Monitoring Pumps Status (1 Input + 1 Output)with IP-65 enclosure	42	No.'s	0.31%	

27	Module for Interface with DCS (1 Input + 1 Output) with IP-65 enclosure	15	No.'s	0.11%	
28	Module for Interface with IGES (1 Input + 1 Output) with IP-65 enclosure	5	No.'s	0.04%	
29	24 V DC Power Supply Modules with Battery Back Up	10	No.'s	1.11%	
30	Operator Workstation & Printer along with Graphic software .i.e (GUI)Software	3	No.'s	2.59%	
31	Laptop along with Fire Alarm Panel Commissioning Software License /Dongle	1	No.'s	0.23%	
32	Furniture for Operator Workstation & Printer	3	Sets	0.21%	
33	Mini-UPS for Operator Workstation & Printer (To be sized by bidder)	1	No.'s	0.11%	
34	8 core Armoured single mode Optical Fiber Cable with 2" rodent proof HDPE conduits (for fire alarm panels and PC networking)	12500	Mts.	2.36%	
	Erection Hardware				
35	Erection & Termination hardware for Optical Fibre cables	1	Lot	5.64%	
36	All hardware & Software required (including OPC Licenses etc.) required for establishing the networking between all fire alarm panels, repeater panels, DCS, PCs, Printers etc shall be considered.	1	Lot		
37	Mounting Accessories & Erection Hardware for all above items listed at Slnos 1 to 33	1	Lot		
38	Cable Tags for 1P x 1.5 Sqmm Cable	360	No.'s		
39	Cable Tags for 2C x 2.5 Sqmm Cable	170	No.'s		
40	Cable Saddle + Saddle Bars along with fixing screws and rawl plugs for 1P x 1.5 sqmm Cable	72000	No.'s		
41	Cable Saddle + Saddle Bars along with fixing screws and rawl plugs for 2C x 2.5 sqmm Cable	46700	No.'s		
42	Nylon Cable Tie for 1P x 1.5 sqmm Cable	46700	No.'s		
43	Nylon Cable Tie for 2C x 2.5 sqmm Cable	20000	No.'s		

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TABLE -A : BOM for Material Code - PY9756391014 [MANDATORY SUPPLY]

S. No	Type of instrument	Supply Quantity	Weightage (%) for Calculation of Line Item Prices by BHEL Weightage of each item /unit price fixing factor (Refer Note-7)	Bidders Confirmation
1	Photo-electric type detector(Addressable)	10% of population	1.59%	
2	Ionisation type detector(Addressable)	10% of population		
3	Duct Mounted detectors (Addressable)	10% of population		
4	Indicator Assembly for smoke detectors provided in false ceiling	5% of population	0.01%	
5	LHS Cable	10% of population	1.32%	
6	Spot type Heat detectors (Addressable)	10% of population	0.07%	
7	IRD unit with local control unit, purging unit, other accessories (for complete replacement) (Addressable)	20% of population	2.12%	
8	Fuses	100% of population	0.10%	
9	Indicating lamps	100% of population	0.04%	
10	Annunciation window lamps	10% of population		
11	Lamp holders	10% of population	0.001%	
12	Push Buttons	10% of population	0.003%	
13	Selector Control Switches	10% of population	0.001%	
14	Auxiliary relays/Contractors	10% of population	0.03%	
15	Control cards for annunciation facia, fire detection system, gas extinguishing etc of each type	10% of population	0.170%	
16	All PCB assmeby cards, loop cards including mother boards etc	10% of population	1.43%	
17	LCD display units of panels	10% of population	0.18%	
18	Interface units/ modules for nonaddressable devices, output relay modules, supervisory control modules etc	10% of population	0.55%	
19	LED's if applicable	100% of population	0.01%	
20	Power supply modules	10% of population	0.26%	